

**ABSTRACT OF THE DISCLOSURE**

The method according to the invention for demagnetization is effected in two separate steps. Firstly magnetically hard locations, such as weld seams, pressure locations etc., of an object to be demagnetized is pre-treated locally with high fields by way of choke coils in an alternating field. These magnetically hard locations are at least partly demagnetized by way of this. Subsequently the complete demagnetization is effected in a decisive second step. The object remains for a certain time in an alternating field. Now the alternating field is stepped down in that the current in a series oscillation circuit is stepped down in a current-controlled manner with two coils.